PENANG SANGAM HIGH SCHOOL

P.O.BOX 44, RAKIRAKI

LESSON NOTES – WEEK 15

School: Penang Sangam High School

Year/Level: 13 Subject: Mathematics

Strand	4 TRIGONOMETRY
Sub Strand	4.1 Trigonometric Identities and Exact Values
Content Learning Outcome	Students should be able to; - find exact values using quadrant

Trigonometric Ratio's and Quantities.



Example 1: If find $\sec \theta$, if θ is in quadrant III.



If and θ is in the second quadrant, find the exact value of

a) cos 2θ



 $\sec\theta = \frac{1}{\cos\theta}$

Exercise:

- 1. If and θ is in the second quadrant, find the exact value of sin 2 θ .
- 2. If θ is an angle in the fourth quadrant and $\cos \theta = \frac{20}{29}$. Find the exact value of $\sin 2\theta$ and $\cos 2\theta$.